

# INTERNATIONAL SEARCH REPORT

PC 03/12794

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12N9/96 C12N11/00 C12N9/04 C12N9/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | <p>LOPEZ-SERRANO P ET AL: "Cross-linked enzyme aggregates with enhanced activity: Application to lipases."<br/>BIOTECHNOLOGY LETTERS,<br/>vol. 24, no. 16, August 2002 (2002-08),<br/>pages 1379-1383, XP009003775<br/>August, 2002<br/>ISSN: 0141-5492<br/>cited in the application<br/>* page 1380, "CLEAs prepared in the presence of SDS", "CLEAs prepared in the presence of Triton X-100" *<br/>* Figure 1 *<br/>* page 1382, "Effect of additives" : first three paragraphs *<br/>tables 1,2</p> <p style="text-align: center;">-/-</p> | 1-15                  |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

28 April 2004

Date of mailing of the international search report

06/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Mauhin, V

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | EP 1 088 887 A (DSM NV)<br>4 April 2001 (2001-04-04)<br>cited in the application                                     |                       |
| A          | WO 02/061067 A (VAN RANTWIJK FREDERIK ;CAO<br>LINQIU (NL); UNIV DELFT TECH (NL); LOPE)<br>8 August 2002 (2002-08-08) |                       |
| A          | DE 44 19 024 C (INST CHEMO BIOSENSORIK)<br>19 October 1995 (1995-10-19)  |                       |

# INTERNATIONAL SEARCH REPORT

P 03/12794

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) |             | Publication<br>date |
|---|---|---------------------|----------------------------|-------------|---------------------|
| EP 1088887                                | A | 04-04-2001          | EP                         | 1088887 A1  | 04-04-2001          |
| WO 02061067                               | A | 08-08-2002          | NL                         | 1017258 C2  | 02-08-2002          |
|   |   |                     | CA                         | 2436087 A1  | 08-08-2002          |
|   |   |                     | EP                         | 1360285 A1  | 12-11-2003          |
|   |   |                     | WO                         | 02061067 A1 | 08-08-2002          |
| DE 4419024                                | C | 19-10-1995          | DE                         | 4419024 C1  | 19-10-1995          |



DOCUMENTS CONSIDERED TO BE RELEVANT

| Category  | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim  | CLASSIFICATION OF THE APPLICATION (Int.Cl.7)        |
|---|--|--|---|
| X   | LOPEZ-SERRANO P ET AL: "Cross-linked enzyme aggregates with enhanced activity: Application to lipases."<br>BIOTECHNOLOGY LETTERS,<br>vol. 24, no. 16, August 2002 (2002-08),<br>pages 1379-1383, XP009003377<br>August, 2002<br>ISSN: 0141-5492<br>* page 1380, "CLEAs prepared in the presence of SDS", "CLEAs prepared in the presence of Triton X-100" *<br>* Figure 1 *<br>* page 1382, "Effect of additives" : first three paragraphs * | 1,2,10,<br>14,15   | C12N9/96<br>C12N11/00<br>C12N9/04<br>C12N9/02       |
| A,D   | EP 1 088 887 A (DSM NV)<br>4 April 2001 (2001-04-04)<br>* the whole document *   | 1-15   | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.7)<br><br>C12N |
| A   | WO 02 061067 A (VAN RANTWIJK FREDERIK ;CAO LINQIU (NL); UNIV DELFT TECH (NL); LOPE)<br>8 August 2002 (2002-08-08)<br>* the whole document *  | 1-15   |   |
| A   | DE 44 19 024 C (INST CHEMO BIOSENSORIK)<br>19 October 1995 (1995-10-19)<br>* the whole document *  | 4-7  |   |
| The present search report has been drawn up for all claims  |  |  |   |
| Place of search<br><b>MUNICH</b>  |  | Date of completion of the search<br><b>14 January 2003</b>   | Examiner<br><b>Mauhin, V</b>                        |
| CATEGORY OF CITED DOCUMENTS   |  |  |   |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |  | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br><br>& : member of the same patent family, corresponding document |   |

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 07 9675

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-01-2003

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) |             | Publication<br>date |
|---|---|---------------------|----------------------------|-------------|---------------------|
| EP 1088887                                | A | 04-04-2001          | EP                         | 1088887 A1  | 04-04-2001          |
| WO 02061067                               | A | 08-08-2002          | NL                         | 1017258 C2  | 02-08-2002          |
|   |   |                     | WO                         | 02061067 A1 | 08-08-2002          |
| DE 4419024                                | C | 19-10-1995          | DE                         | 4419024 C1  | 19-10-1995          |